[Special issue, for high schools]

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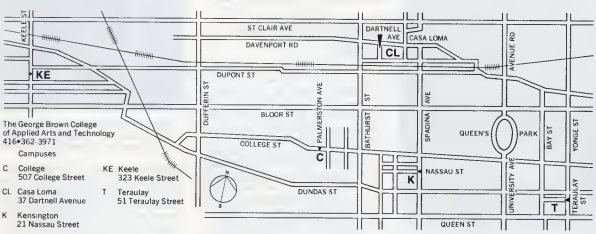
THE MOSAIC

THE GEORGE BROWN COLLEGE
OF APPLIED ARTS AND TECHNOLOGY

SPECIAL EDITION
March, 1973



METRO AREA EDUCATORS VISIT GEORGE BROWN COLLEGE

On February 20, the George Brown College was host to some 60 representatives of Secondary Schools in the Metropolitan area.

The group included Technical Directors, Commercial Heads and Guidance Heads. Their visit was intended primarily, to provide an "overview" of the College, an opportunity to discuss course offerings, and a chance to get better acquainted with some of the key personnel.

The first stop for the visitors was the Casa Loma Campus where they were welcomed officially by Mr. Gordon Armstrong, Vice-President of George Brown College. Mr. Brian Beetles, Principal of Casa Loma campus introduced the visitors to the Department Chairmen and then conducted the group on a tour of the laboratories, classrooms and shops.

After leaving from Casa Loma Campus, they proceeded to Kensington Campus for a welcome by Mr. Malcolm Sykes, Principal. Here they discussed the course offerings of the Campus and toured the many teaching areas.

From Kensington, the group were taken by bus to the Teraulay Campus.

Mr. John Stephens, Principal, welcomed the group in the staff lounge, outlined Terauley's role in the College and gave the visitors a brief tour of the Campus.

College buses transported the visiting educators to the College Administration Building at 500 MacPherson Avenue, where a buffet luncheon was provided by the Food Technology Division.

Mr. C.C. Lloyd, President of George Brown College addressed the group briefly and explained how this College is attempting to meet the needs of Secondary School students.

WHAT IS GEORGE BROWN COLLEGE?

George Brown College is one of the Colleges of Applied Arts and Technology established by the Province of Ontario. It is designed to serve the continuing higher educational needs of the people who live in the City of Toronto.

The College looks back with pride to the pioneering and establishment of many courses developed in the Provincial Institute of Trades and the Provincial Institute of Trades and Occupations.

George Brown College was formed in 1968 by the merging of these two institutions. It was further expanded in September, 1969 with the transfer of 4 Adult Training Centres from the Toronto Board of Education. It is a multi-purpose educational institution offering Certificate and Diploma programs in Applied Arts, Business and Technical fields.

It is a multi-campus College with 5 campuses situated within the area of the city of Toronto.

MOTTO

George Brown is first and foremost a College that trains students for employment. Sophisticated and up-to-date training is provided in all aspects of the many programs.

In this changing, technologically-oriented society, the horizons of post-secondary education are constantly expanding. Today's training for Tomorrow's work is comprehensive, timely, and at times, very complex.

Graduates of George Brown College enter the work force of the community and the nation knowing that they are well prepared for the vocation that they have chosen.

For these reasons, our Motto is – EDUCATION FOR EMPLOYMENT.

WHO WAS GEORGE BROWN?

George Brown was a man of deep, personal conviction. He founded the Globe in Toronto in 1844 because he believed that only informed people could protect themselves against measures which threatened their freedom.

George Brown was a journalist and also a politician. In 1864 he formed a coalition government with Sir John A. MacDonald and thus set the machinery in motion that led to the Confederation of Canada in 1967.

THE PRINCIPLES OF GEORGE BROWN COLLEGE

George Brown College is dedicated to the principles put forward by this great man. We believe as he did, that human dignity is founded not only upon political freedom, but also on the development of skills and knowledge that allow you to make a significant contribution to the community.

Rita has mastered the use of the Precision Watchmaking Lathe. This will allow her to not only repair clocks and watches but to fabricate new parts that may be needed. It's a task that requires patience and detailed measuring.

ANOTHER "FIRST" FOR GEORGE BROWN COLLEGE

Ruth Grant is going to be a watchmaker. She is taking the two-year Watchmaking Program at the Casa Loma Campus and is halfway through her first year.

She is the only girl in the class and has the distinction of being the first girl to ever enroll in this program since George Brown College was formed.

Ruth is 18 years old and comes to us from Pembroke, Ontario. She is completely sold on her choice of training. "When I entered this program I was reasonably sure of what I was getting into, but this is proving to be just what I was looking for."

The two-year program teaches students watchmaking skills plus subjects such as Metallurgy and Business Management.

Ruth plans to finish her program and then enroll in the optional third year in order to qualify in the repairing of complicated watches such as chronographs, complete phase calendar watches and clocks.

She admits that she has always been interested in getting into this specialized profession. "My father and my grandfather were both skilled watchmakers," says Ruth, "and I guess that's what helped me with my decision."

Joe Rugole, head of the Watchmaking Program has great praise for Ruth. "She is doing very well in her work and should become an excellent watchmaker", says Joe. He added, "She is treated no differently than anyone else in the class."

After graduation, Ruth hopes to work in a jewellers shop and eventually open her own business.

Her hobbies are roller skating and painting and fixing watches and clocks her friends have already brought to her for repairs.

In Switzerland, the traditional home of good watches, skilled girls do a great amount of the important work in manufacturing parts and assembling the finished product.

In three years time, Ruth Grant will be one of the few girls in Canada skilled for employment in this challenging and rewarding profession.

Whether it be a grandfather clock or a modern electronic wrist watch, Rita Grant will be able to repair them after she graduates from the Watchmaking Program.

EDITOR'S NOTE:

This is a special edition of the Mosaic. In addition to the regular college distribution, approximately 10,000 copies are sent to grades 12 and 13 students in the Metropolitan Toronto area.

Mr. Charles Hawkes (left), Guidance Head, The Bishop Strachan School, was one of the more than 60 Toronto educators that visited George Brown College on February 20, 1973. Mr. Hawkes and Mr. Orm Reynolds, Chairman of Administration at George Brown's Terauley Campus discussed the curriculum of the creative fashions program with Jill Carey (left), and Dawn White. Both girls are in the first year of the two-year fashion program.

FOUR NEW PROGRAMS TO START IN SEPTEMBER 1973

In keeping with its principles of offering programs designed to educate people for employment, George Brown College will offer the following new areas of training commencing September, 1973:

Furniture Arts Technician – (Grade 12) – a two-year program to teach you cabinetmaking, custom upholstery, furniture finishing, pattern making and design and how to finish and repair antique furniture.

Apparel Engineering Technology – (Grade 12) – a two year program to become a technician or a three-year program to become a technologist. The technician program includes 8 weeks in-plant training. Both programs teach you all aspects of the apparel industry. Should you take the third year, you will spend 12 more weeks of in-plant training plus you will study one of four options: Automated Machinery, Large-Plant Problems, Multi-Plant Problems or Fabrics, Delivery Schedules and Computer uses.

Dental Therapist – (Grade 12) – a three-year program. The first two years will be spent learning to become a dental technician. The third year you will specialize in all aspects of denture production. After graduation you will work under the direction of a qualified dentist.

Health and Fitness Instructor – (Grade 12 – a two-year program designed to prepare you for the role of a Supervisor in Health and Fitness Programs or for a management position. This program will stress human physical and mental fitness plus biological physical and social services.

The custom upholstery and furniture refinishing workshop at the Kensington Campus.

Eight Divisions Offer A Wide Range of Post-Secondary P

Students in the Dental Assistant Program receive intensive training for their future employment. A large, modern operating theatre allows them to observe dentist instructors demonstrate clinical procedures.

Academic Studies

Academic Studies is an unique division in that it is responsible for all the academic courses in the programs offered by the other divisions of the College. In addition, it provides three upgrading programs for people who lack the academic qualifications for more advanced college programs, or who need further training for better job opportunities.

All College Preparatory Programs are tailored to suit the students' needs.

Applied Arts Division

This division offers programs which concern human well-being and allied health services. One cluster concentrates on the treatment and rehabilitation of adults and children suffering from emotional, behavioural and addiction problems. Another deals with nursing education and the biological sciences, dental technology and dental assisting. There are also opportunities for training to work with infants and very young children at home, in social agencies and day care centres.

These programs all require a basic understanding of psychology, health sciences and contemporary social issues, as well as the development of technical skills.

The two-year Child Care Worker Program graduates students who are in great demand by provincial institutions, treatment centres, private social agencies, group homes and hospitals. Child Care Workers are responsible for the 24-hour care of disturbed children who may be living away from home.

It is hard work, and it can be emotionally and physically exhausting, but, at the same time, it is extremely challenging.

Another two-year program prepares graduates in the field of Addiction Counselling. In today's society there is an increasing misuse of chemicals and drugs. Preventive education, problem intervention and treatment are urgently needed to combat this situation. Addiction Counsellors are trained in the treatment and prevention of this drug abuse.

Because a career in addiction counselling demand stability and emotional maturity, special consideration is given to mature students applying for this program.

If you have a high degree of finger and manual dexterity, an aptitude for minute, mechanical work, and if you are patient and able to concentrate on detailed work for long periods of time, perhaps you should consider the three-year program as a Dental Technician.

The discovery of plastics coupled with many new techniques is revolutionizing this industry. George Brown College qualified laboratory personnel ready to work closely with dentists either in the operation of his own laboratory, as an employee of an established form, or solely for one dentist.

Working in clean, modern laboratories, the student in this program, spends three years doing practical work and studying subjects such as the construction of dentures, bridgework, ceramics, and orthodontic appliances.

This program is approved by the Royal College of Dental Surgeons of Ontario and the Governing Board of Dental Technicians.

A one-year program that is attracting many girls is Dental Assistant. The student in this program receives a background in dental sciences, operating room assistance, dental materials, and limited dental laboratory methods as well as business procedures. She will also learn how to process x-ray film and to use dental x-ray equipment.

If you enjoy meeting and dealing with people, you should consider becoming a Dental Assistant.

The two-year Day Care Worker Program trains students to work in public or private day care centres. This is a rapidly expanding field offering a wide variety of positions for persons trained to look after young children.

This new concept in professional day care training shows you how to create a day nursery environment which encourages growth and development. At the same time you will gain a knowledge of nutrition, public health and the social, emotional and intellectual attitudes of young children.

Architectural Technology Division

The division offers first-class training in construction and civil engineering fields through a wide variety of programs specializing in technologies such as architectural, civil, construction, survey and mechanical services.

All technician programs are two years in length and all, except air conditioning, have a common first term.

The Air Conditioning Technician Program covers the design, installation and operation of systems for residential, commercial and industrial buildings. After graduation, you can write the exams for certification by the Ontario Association of Certified Engineering Technicians and Technologists.

How many careers can offer you the opportunity of watching an idea develop from drawings into reality? Civil engineering can: a fascinating field of roads, bridges, airports, sanitary services and pollution control.

George Brown offers a two-year Civil Engineering Technician Program that teaches you basic engineering methods. The program includes quality control, estimating, the use of surveying equipment, and how to set out and inspect work on site. Whether you work in the construction office or on the building site, the skill training you receive will prepare you to handle the assigned tasks.

Positions for graduates in this field vary from design draftsmen and engineering assistants to site surveyors and quality inspectors.

Within the modern civil engineering team, the concrete technician plays a vital role and should you decide to choose this career, the future could be exciting. One week you may be involved with precast concrete for a skyscraper, the next you could be analysing test samples in a laboratory.

A critical shortage of qualified people has created excellent opportunities for graduates of the Concrete Technician Program. Companies producing cement and concrete, concrete pipes and tiles, reinforced concrete slabs and prestressed concrete are greatly in need of technicians. Positions are available with architectural and engineering companies, construction firms and government agencies.

Graduates may be employed as laboratory technicians, quality inspectors, supervisors or plant controllers and estimators and salesmen.

Perhaps your interest is in general construction. If so, then you should consider the Construction Technician program offered at George Brown. This two-year program teaches you about contracts and specifications, how to measure quantities of material and labour, and what is involved in site engineering.

If you have an eye for detail, and have some drawing and drafting skills, one of the many drafting programs could be the key to your future.

The Drafting Technician (General) Program is geared to training students in versatility in drafting enabling him to participate in all aspects of technology architectural, civil, survey and mechanical services.

Perhaps, as a draftsman, you would rather specialize in one particular field. George Brown can train you to be an Architectural Drafting Technician (architectural drawings, model building, detailing), a Mechanical Services Drafting Technician (designing plumbing and electrical facilities, steam heating, refrigeration systems, etc.), or a Structural Drafting Technician (drawings related to structural steel, concrete and wood construction).

Does working outside in all kinds of weather appeal to you? If the answer is yes, and you are also good in mathematics and technical problems, then you should consider becoming a Survey Technician.

This program consists of courses such as practical astronomy and photogrammetry, plane and legal surveying, computations and drafting. After graduation you may find yourself working as a surveyor in legal, control or engineering surveys and in any part of Canada you choose.

If your work in the Survey Technician Program is above average you may be allowed to enroll in the more advanced program of Survey Technologist. This is a three-year program that is done in two-years. A graduate of this program will be in the forefront of modern survey technology. By taking this advanced two-year program you will be able to start working at a higher salary sooner than if you spent three years in school. You will also save that extra year's tuition and living expenses.

Business and Commerce Division

Young people preparing to enter the business world of today are fortunate in having so many areas of interest to choose from. George Brown is playing an important part in training these people for positions in the dynamic and rapidly expanding economy.

One of the popular programs offered by this division is Business Administration. This is a two-year program that provides training in business principles and lets you specialize in accounting, electronic data processing, marketing or general business administration.

Three Secretarial Science Programs are available for persons inclined towards this aspect of the business world. The first year of each of these two-year programs is a common one where the student learns a working speed in shorthand and typing and gains a solid background from which to choose the second year of specialty training – general, legal or medical secretary.

This division offers a one-year Sales Program to train persons interested in entering this area of business. You may take this as one continuous year's work, or you may attend classes for one semester, work for an equal number of months, then return for the last half of the program. During this program you will gain the knowledge and the experience necessary for sales confidence.

Electrical/Electronics Division

The programs offered in this division will prepare you for an exciting and profitable career in either the field of electronics or the electrical field. The opportunities in either area of work are unlimited in these rapidly growing industries.

In this age of noise pollution, your interest may be in becoming an Acoustics Technician. This two-year program will train you in the principles of acoustic design, plus the techniques of sound analysis and modern methods of noise control. You will also become skilled in mechanical vibrations, construction methods and materials and architectural drafting. After graduation you will be able to be certified by the Ontario Association of Certified Engineering Technicians and Technologists.

If you are interested in electrical construction and drafting the program you should consider is Electrical Design Technician.

The Electrical Design Technician is the person who takes ideas and concepts from architects and engineers and translates them into detailed working drawings. In this program you will study distribution and control systems, electrical design applications, lighting, electrical heating and specifications.

If you would prefer to work on machines, then you would enjoy becoming an Electrical Technician. This is a two-year program that offers you two choices of specialization. After completing the first year, you can specialize in electrical machines or industrial electronics. Regardless of which area you enter, you will be trained for the variety of employment available.

Another program offered in this division is a three-year program that you take in two years. This program prepares you to become an Electrical Technologist and provides training in such subjects as control circuits, systems, power transmission and distribution and the most up-to-date methods of measuring electrical energy. The positions available for graduates of this program are challenging and rewarding.

Electronics Technician is another two year program that allows you to specialize in a particular area. The first year is common to all three specializations offered. The second year allows you to become proficient as a technician in the field of communications (microwave, radar and computer equipment), or in the field of computers (all aspects of computers including programming) or in the area of television broadcast (principles of audio and video, repair and maintenance of studio equipment).

Are you interested in the design of new forms of electronic equipment? Are you the type of person that would like to take ideas and problems, put them on paper, create prototypes and test them on working models? Then you should look into the Electronic Technologist program.

This is another three-year program that you can take in two years and learn the ins-and-outs of electronic devices, communications networks, and electrical and electronic circuits. There are opportunities awaiting you in the areas of design, sales, research, and service engineering.

Engineering Technology Division

This division offers almost twenty programs that are two years in length. Most of these programs are probably familiar to you but a few of them are possibly new to you.

One of these programs offers education and training in an industry that can trace its origin as far back as 25,000 years B.C. The program at George Brown College is called Coatings Technician and the industry is the paint industry. This industrial process has become a 2.5 billion dollar production offering a graduate a dynamic and deeply involving career. As a graduate you might be working on paints, varnishes and lacquers used around the home or you may be involved in dramatic and exotic new finishes for automobiles, appliances or furniture. You might find yourself working on coatings relating to space vehicles or coatings on the interior of new tin cans. Either way, the future can be exciting for you.

When people think about the machines that turn out the myriad of products we use, they almost never consider the highly skilled men and women responsible for designing the machines.

The many drafting and design programs at George Brown offer you the opportunity of deciding what path of

Students in the Electronics Programs a latest electronic equipment. Job oppo electronic field – and George Brown can

One of the programs offered by the Engineering Technology Division is machine and product design. Students in this program are shown examining a snowmobile and making detailed drawings of how they would improve or change their own design for a winter fun vehicle.

Programs to Provide You with Education for Employment

rams are taught the use and servicing of the opportunities are many and varied in the n can provide the training you require.

work you wish to follow, and then obtaining the training you require. Should you decide to become a Machine and Product Design Technician, you will learn designing and drawing, mechanical drafting and other subjects to prepare you for a job that can range from designing mechanisms and simple toys to printing presses and automobiles.

Have you ever been confused as to what a Toolmaking Technician does compared to what the work is for a Tool and Die Design Technician?

Stated simply, when a new product is produced, the Tool and Die Design Technician is responsible for deciding the manufacturing sequence of operations, and the method of producing each component part whether it be for a tractor or a complicated toy. He must be thoroughly versed in the use of special tools such as jigs, dies, fixtures and cutting tools.

The Toolmaking Technician is a first-class machinst who is skilled in the operation of all types of machinery. He can make parts from materials like tool steel and carbides. He is proficient in the use of numerical control machines, and has a deep understanding of all types of metals and their machining capabilities.

Either one of the two programs at George Brown are two-years long and can help you enter a great future in engineering forms and manufacturing industries.

If you are interested in learning to design systems and ways of moving materials for handling, storage, production or shipping then you should enroll in the Materials Handling Design Technician. This two-year program offers you an unparallelled creative opportunity while teaching you how to organize and arrange machines, conveying equipment and work areas for maximum efficiency.

The Process Piping Design Technician Program is the only one offered by a Canadian College. This two-year program can prepare you to design the miles of piping used by our modern industrial community. Piping is involved in process plants such as nuclear power stations, oil refineries, breweries, food and chemical plants. This program will give you sound engineering knowledge with relation to specialized piping technicians and a highly developed ability to visualize complex three dimensional space.

George Brown College offers two instrumentation programs having a common first semester that allows you to take a variety of subjects before making a firm commitment to one program or the other.

The Instrumentation Technician is a person who understands the use and repair of all types of measurement and control devices used with complex automatic systems.

The Precision Instrument Techniques Program provides highly specialized training in the servicing of the technical areas of automation, aircraft systems, meteorological equipment and computer control systems.

As a graduate of this program you will be an expert with electronics expertise combined with manual dexterity – and graduates are in great demand by many industries.

Positions in industry vary from a systems designer to instrumentation sales for graduates of the Instrumentation Technologist program. This is another of the three-year programs offered in two years. Graduates from this program enter the working force a year ahead of the other students – and find many areas in which to use their talents.

Public awareness and the consumers demand for high quality products has made manufacturers conscious of producing first-rate goods. Graduates of the Materials Evaluation Technician Program are the prople who test these goods for reliability, safety and durability. This program will prepare you to make the destructive or non-destructive tests that are the two main areas of testing. As a graduate you can find employment in quality control or in inspection and evaluation departments.

The College offers three programs dealing with the area of plastics: Plastics Technician A, B, or C (Thermosets and Thermoplastics). The two-year Technician A program will provide you with an in-depth study of plastics to prepare you for a career in manufacturing, sales, quality control or research.

The Technician B program is one year in length and is for the student that wishes to study either thermosets or thermoplastics. The opportunities for employment are similar to those of the A program.

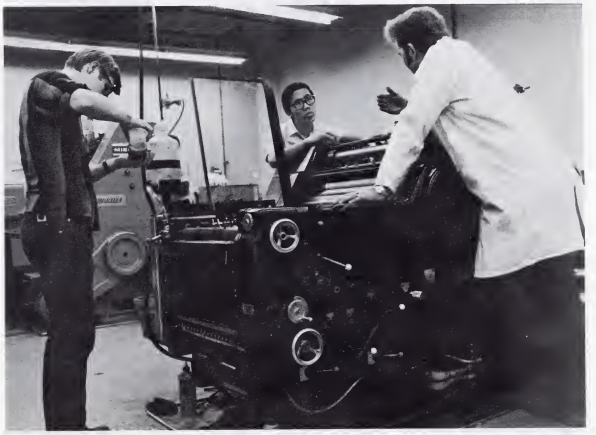
The Technician C program is two years and is designed for the student that wishes to become skilled in one area of plastics plus gaining a detailed knowledge of the other areas.

If you are interested in a career in an allied health service the Orthotic-Prosthetics program offers an excellent opportunity to use your mechanical talents for the well being of others. An orthotist-prosthetist has two important roles: as an orthotist, he designs, builds, and fits braces for the support or correction of diseases and deformaties; as a prosthetist, he measures, fabricates and fits artificial limbs for amputees. Both the orthotist and the prosthetist work closely with medical doctors and therapists.

Are you familiar with the term "Horology?" It is the science of measuring time. George Brown offers two choices leading to rewarding careers in watchmaking. The two-year program will prepare you for employment in manufacturing, service and repair of watches and clocks, and you will need only one year's on-the-job training before you can write your apprenticeship examinations.

The three-year program allows you to write your apprenticeship exams immediately after graduation.

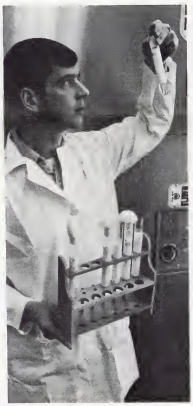
Modern equipment and business-orientated instructors are combined to make programs offered by the business and commerce as up-to-date and as interesting as possible. Students have a variety of programs to choose from and upon graduation can play an important part in our rapidly expanding economy.



Students taking the Graphic Arts Printing Technician Program not only become proficient in their chosen area of work but earn apprenticeship credits as well. Expert instructors are here to help you train on the most up-to-date printing equipment.

Food Technology Division

This division has always offered interesting programs relating to the hospitality industry. People love to eat good food and people trained in the preparation of food or the intricacies of hotel/motel management are solely needed in all parts of the country.



Food Processing Technology is a three-year program that gives the student training in the classroom and the laboratory plus paid practical employment in the Food Processing Industry. Biology, Biochemistry and Food Microbiology are three of the many subjects studied in this program.

A two-year program in Food Administration is offered that will prepare you for an exciting future in the hotel/motel field. You will study food preparation, food merchandising, bookkeeping, nutrition, sanitation and hygiene and food cost analysis in the first year.

The second year covers business law, advertising, sales promotion and personal management plus you will actually work in one of Canada's famous restaurant complexes. It is a comprehensive program leading to profitable employment.

The two-year Hotel Administration program will interest you if your interest is working in the administration area of the hotel industry. This program develops your management abilities and teaches you innkeeping from the ground up so you will be qualified for a variety of positions in this industry.

Food Processing Technology is a three-year program concentrating on chemistry, applied physics, food industry science and physiology for the first two years. The third year allows you to specialize in one area of interest. Employment is offered to you during the summer months doing practical work in the food processing industry.

Graduates are urgently required in research and development, quality control, marketing, government inspection, sales, service and production supervision.

If you are interested in diets and working with people, you should consider taking the two-year Dietary Services Administration program.

You will learn how to plan nutritional meals for patients requiring diet therapy and be able to practice your skills as a dietary technician at hospitals and health care centres.

This division offers a one-year program for persons that have a knowledge of baking. It is a Bakery Technician program designed to teach you the latest techniques in bread, cake, cookie and biscuit technology.

Fashion Technology Division

To answer the growing need for fashion communicators experienced in the practical areas of the apparel industry, George Brown offers a two-year program in Creative Fashions. As a student in this program you will receive training in industrial power sewing, custom dressmaking and alterations, fashion design, pattern drafting and fur manufacturing techniques. In the second year, you will be able to specialize in one of the above mentioned areas and have your work judged in competitions throughout Ontario.

Jewellery Arts is another program offered by this division. Graduates of the two-year program can be proud of the fact that they have taken the only jewellery arts program in Canada that is approved by the Canadian Jewellers' Association. Whether you decide to specialize in goldsmithing, gem-setting, engraving or silversmithing, the training you will prepare you for an exciting future.

If you complete the program with above average grades you may be eligible for an additional year of post-graduate studies.

Graphic Arts Division

With more and more newspapers, books, brochures, flyers and other printed materials being produced, it is understandable that the graphic arts industry has become one of the largest in the world. This division offers two excellent programs leading to employment in this ever-expanding industry.

The three-year program in printing technology teaches you such subjects as how to operate letterpress, lithographic, gravure and flexographic presses, plus the use of process cameras, and how to do film stripping and plate-making. You will also set type by manual, machine and photocomposition methods and operate bindery equipment.

When you graduate as a Printing Technician, you will have earned apprenticeship credits and be able to enter the graphic arts industry with confidence in your abilities.

A two-year program is available for students interested in becoming a Graphic Design Technician. This is a working program that ensures that you are exposed to a thorough application and study of design using various techniques. Graphic Design Technicians are required by graphic art studios, book and magazine publishers, advertising agencies and large corporations.

The employment opportunities are many and you could be asked to design everything from a company logo to a complete graphic program for a company.

The Two-Year Creative Fashions Program attracts both men and women to the college. Students plan, create and even model their creations. A fashion show at George Brown's C.N.E. Display provides a unique area to show-off exciting student designs.

Utilization of George Brown's Computer Services

You may not be aware that in addition to computer services provided to George Brown students, staff and administration, the College shares its computer resource with two other metro Colleges and one University. The effect of this sharing arrangement has been, I believe of mutual benefit to all parties. Students and staff of George Brown are given the opportunity of using various programs and research projects developed by our sister Colleges, namely Seneca and Humber and by York University.

One hundred and fifty data processing students at Humber are using our facility to learn about time-sharing systems and to write BASIC programs. 400 mathematics students solve mathematical and statistical problems by using many packaged programs such as LINREG*** that are available on the system. Five terminals are used to support this learning activity at Humber.

Seneca College has terminals at both the Finch and King campuses. Students in the Business Administration Program use the computer in relation to an Introductory Statistics course while students in the Continuing Education course use the BASIC language relating to Introductory Data Processing and Introductory Programming.

In the near future, Seneca hopes to use many of the package programs developed by George Brown College in its Technology Division.

At York University, BASIC programming and accessing computer models and problem solving by a time-sharing computer has become a very integral part of the MBA program for 450 post-graduate students. 250 undergraduate business students also use the facility in a similar manner. Various library or packaged programs have been developed by George Brown and York University staff over the past year.

Skating is a lot of fun. It's even more enjoyable if you have two strong arms to lean on as Elizabeth Anang shows us.
Elizabeth is an accounting student in the Business & Commerce Division. This division recently held a skating party at City Hall and Elizabeth received some informal skating instructions from Mayor David Crombie (left) and Alderman Ed Negridge (Ward 2). Alderman Negridge instructs part-time at George Brown College in Government Administration.

The End of a War

It was early in the year of '73,
When State officials
Went across the sea.

They stopped at Paris,
And they brought some friends,
Because the war was near the end.

They brought some pens,
With which they could write,
And later gave them out to avoid a fight.

They had two signings
To make sure of no more,
One term was to return
All the prisoners of war.

Then they all returned home,
To tell their leaders that their seek,
Of how to end the war
Would end later that week.

That week was so long,
The fighting increased.
They tried to get more land,
Before the war would cease.

The week after that,
The troops let each day.
The prisoners of war
Knew they'd be home some day.

But the war continued
The leaders still reigned.
But someday real soon,
Peace will be gained.

by David Frickelton.
Grade 9
Sir Wilfrid Laurier Collegiate

The Role of Audio-Visual Media Centres

A small book published in 1890 describing the "Magic Lantern", contains the following prophetic paragraph:

"It will be convenient to pause here, in our description of these various lanterns, to point out that these instruments have a far higher mission, than mere amusement. Of late years, and indeed more especially since it has become possible to use photographs instead of hand painted pictures in the lantern, the instrument has been recognized as a valuable aid to education. In the better class schools it is commonly employed, and there is every reason to believe that its use in education will become far more general as time goes on. Slides illustrative of chemistry, electricity, magnetism, physiology and all the other "ologies" are now to be had in wonderfully complete sets."

In spite of the above, written more than 80 years ago, the wide-spread use of slides, films and other forms of the audio-visual media has been long in coming, and is still regarded as a comparatively recent innovation in the educational field.

The magic lantern, with its gas cylinders and limelight illuminant, gave place to more modern projectors early in the century; 16 mm films have been with us since 1923, and colour movies and slides since the mid-thirties. Cameras, projectors and other "hardware" have progressed at a great rate, as have the photographic films used with them, yet intensive use of such media for educational purposes has been slow in coming. Why has this been the case?

Perhaps the answer is to be found surprisingly, in the rapidity with which one improvement has followed another in the field of audio visual equipment. 16 mm cameras and projectors were soon followed by simple 8 mm equipment, which in turn has been replaced by Super 8 mm. The "simple" black and white television is rapidly giving way to colour, and so on.

With such changes taking place, many educational institutions find it extremely difficult to decide what path should be followed. If one path is chosen, will some new technical invention soon cause it to become antiquated? Even worse, will the supply of films for the chosen equipment cease to be available?

In order to obtain some guidance in such problems, many schools, colleges and universities have established audio-visual centres within their organizations. Within these, the pros and cons relating to each new development in the audio-visual field can be carefully evaluated. Further, the suitability of any one of the media can be assessed for any particular need. The three questions to be answered before any presentation is produced by an audio visual centre are: (1) Does the objective of such a presentation really demand a colour motion picture? (2) Could the objective be reached by a carefully designed slide or film-strip program? and, (3) Would videotape be suitable?

While a tailor-made presentation has certain very valid advantages, the Audio-visual centre should be aware of the vast accumulation of both films and tapes available for hire or purchase, which already exist. That is another of the responsibilities resting on such departments. They must also be able to recommend equipment which may be particularly well suited to any new instructional technology that may be introduced – for example, I.L.P. (individual Learning Program.)

That some form of visual or audio-visual aid is essential, none will deny. The "information explosion" through which we are passing makes the use of the audio-visual media mandatory, if the Instructor is to meet the challenge it presents. To illustrate just what this challenge implies, I quote two statements taken from a recent educational publication.* The first is that "50% of the positions now being filled by college graduates were not in existence when the students were born". And, in reference to the medical profession, "75% of all prescriptions now called for, have been discovered in the past twenty five years." Many other examples of the information explosion will occur to you.

I have attempted to indicate some of the main functions undertaken by an audio-visual centre. Others include the instruction of future technicians, demonstrations of "hardware" to members of the Instructional Staff, maintenance of equipment, and the like. Present day hardware has come a long way since the early Magic Lantern!

I.B.M. Lomas,
Teaching Master, A.V. Services.

**"Instructional Media Centre" – Edited by Harold S. Davis
Indiana University Press

Ode to George Brown

Basking in resplendent colours
Standing tall and proud
Sliding into all environs
We, of the George Brown crowd.

Students from 'most every nation
Professed in many a trade and skill
Without George Brown our Alma Mater
Like Nomads we'd be wandering still.

Professors devoted to our cause
Dissipating knowledge unlimited
Like Mason, Carr, Doyle and Reid
Prevent us from being inhibited.

Through lengthy hours, struggling ardently
For success must we endeavour
And when should end our college days
George Brown will live forever.

My song of praise must end just now
As must all ballad or canter
But emblazoned in my heart somewhere
Are cherished memoirs of Casa Loma.

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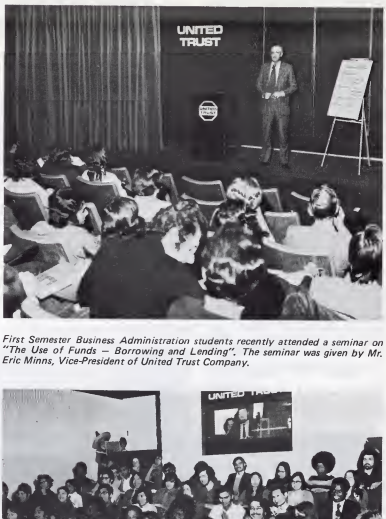

First Semester Business Administration students recently attended a seminar on "The Use of Funds – Borrowing and Lending". The seminar was given by Mr. Eric Minns, Vice-President of United Trust Company.

Students in the many programs at George Brown College make periodical visits to business offices and industries to gather first-hand information on their related areas of interest.